BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

Name of Work: *Estimate for the Work of Construction of Samudaya Bhavan to Senior Citizens in Ward No. 9, Vidyaranyapura Sub Division.*

Estimated Cost: Rs. 10.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Improvements Roads and Construction Culvert in Singapura Layout from Military Compound to Varadarajaswamy Layout in Ward No. 11 (**Change of Work and Palce:** Construction of Samudaya Bhavan to Senior Citizens near Hopcoms, Vidyaranyapura in Ward No. 9, Vidyaranyapura Sub Division).

			Estimate Cost Rs.					**1000000.00**	
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-1.1 : Earth work in surface excavation in **Ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road, drains and trenches of pipes lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m excavated surface levelled and neatly dressed earth to be levelled after breaking of clods and neatly dressed as per specifications specification No KBS 2.1(a) / 2.3.1 **PWD SR 2013-14 Page No. 5 / Item No. 2.1**	Cum							
			1	8.00	7.00	0.15	8.40		
							8.40	124.02	**1042.00**
	Basic Rate	117.00							
	Area Weightage @ 6%	7.02							
	Total	**124.02**							
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 **PWD SR 2013-14 Page Nol. 5/ Item No.2.4**	Cum							
	Centreline		1	29.06	0.75	0.75	16.35		
	Columns		6	1.50	1.50	1.50	20.25		
	Sump Tank		1	2.50	2.50	2.20	13.75		
							50.35		
	Deduction for Columns		6	1.50	0.75	0.75	-5.06		
							45.28	223.66	**10128.00**
	Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2013-14**	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Centreline		1	29.06	0.75	0.15	3.27		
	Columns		6	1.50	1.50	0.15	2.03		
			1	2.00	2.00	0.15	0.60		
							5.89		
	Deductions for Columns		6	1.50	0.75	0.15	**-1.01**		
							4.88	4211.38	**20559.00**
	Basic Rate	3973.00							
	Area Weightage @ 6%	238.38							
	Total	**4211.38**							
4	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (Page No. 25 / Item No. 5.6**	Cum							
			1	29.06	0.75	0.75	16.35		
			2	1.50	0.60	0.45	0.81		
							17.16		
	Deduction for Columns		6	1.50	0.75	0.75	-5.06		
							12.09	3484.22	**42137.00**
	Basic Rate	3287.00							
	Area Weightage @ 6%	197.22							
	Total	**3484.22**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2013-14**	Cum							
			1	29.06	0.45	0.45	5.88		
			2	1.50	0.45	0.45	0.61		
							6.49		
	Dedution For Columns		6	0.45	0.23	0.45	-0.28		
							6.21	4148.84	**25775.00**
	Basic Rate	3914.00							
	Area Weightage @ 6%	234.84							
	Total	**4148.84**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 **(Page No .6 / Item No. 2.10) PWD SR 2013-14**	Cum							
			Qty Vide Item No. 2				**45.28**	99.64	**4512.00**
	Basic Rate	94.00							
	Area Weightage @ 6%	5.64							
	Total	**99.64**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 120 / Item No. 15.3 / PWD SR 2013-14**	Sqm							
			1	29.06		0.45	13.08		
							13.08	78.44	**1026.00**
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							
8	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 **Page No. 32 / Item No. 6.17 / PWD SR 2013-14**	Cum							
	Long Wall		2	7.39	0.23	3.00	10.20		
	Short Wall		2	5.63	0.23	3.00	7.77		
	Inside Wall		2	1.50	0.23	2.10	1.45		
	For Toilet		2	1.50	0.23	2.10	1.45		
	For Sump		2	2.46	0.23	2.00	2.26		
			2	2.00	0.23	2.00	1.84		
							24.97		
	Deduct for Openings Door		1	1.20	0.23	2.10	0.58		
			1	0.90	0.23	2.10	0.43		
	Windows		4	1.20	0.23	0.90	0.99		
	Ventilator		1	0.45	0.23	0.60	0.06		
	Lintel		1	29.06	0.23	0.15	1.00		
	Tiel Beam		1	29.06	0.23	0.20	1.34		
							4.41		
							20.56	5789.72	**119034.00**
	Basic Rate	5462.00							
	Area Weightage @ 6%	327.72							
	Total	**5789.72**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	Column Footings		6	1.50	1.50	0.60	8.10		
			6	1.20	1.20	0.40	3.46		
	Plinth to Roof		6	0.45	0.23	3.50	2.17		
	Plinth		1	29.06	0.45	0.15	1.96		
	Lintel		1	29.06	0.23	0.15	1.00		
	Tie Beam		1	29.06	0.23	0.20	1.34		
	Beam		1	6.09	0.30	0.45	0.82		
	Roof Slab		1	9.70	7.09	0.15	10.32		
	Sump Tank Bottom		1	2.00	2.00	0.15	0.60		
	Sump Tank Cover		1	2.46	2.46	0.15	0.91		
							30.68	5535.32	**169803.00**
	Basic Rate	5222.00							
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							
10	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 15 / Item No. 4.19 / PWD SR 2013-14**	Sqm							
	W		4	1.50	0.60		3.60		
	D		1	1.50	0.60		0.90		
	V		1	0.60	0.45		0.27		
							4.77	405.98	**1937.00**
	Basic Rate	383.00							
	Area Weightage @ 6%	22.98							
	Total	**405.98**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT**	Qntl							
	For Roof, Columns Beams @ 125 Kg / Cum		1.25	30.68			38.35		
	Chajjas @ 7 Kg / Cum		0.07	0.41			0.03		
							38.37	7381.84	**283268.00**
	Basic Rate	6964.00							
	Area Weightage @ 6%	417.84							
	Total	**7381.84**							
12	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement moand directions of engineer in charge of the work. conveyance, manufacturing painting with 2 coats enamel paint over one coat of primer, cost of labour	Sqm							
	Roof Top		1	9.14	6.09		55.66		
							55.66	779.10	**43367.00**
	Basic Rate	735.00							
	Area Weightage @ 6%	44.10							
	Total	**779.10**							
13	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.21 / PWD SR -2013-14**	Sqm							
			1	6.09	9.14		55.66		
							55.66	163.24	**9086.00**
	Basic Rate	154.00							
	Area Weightage @ 6%	9.24							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**163.24**							
14	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.19 / PWD SR 2013-14 (Inside wall)**	Sqm							
	Inside wall Hall		2	7.69	3.00		46.14		
			2	5.63	3.00		33.78		
			2	1.50	3.00		9.00		
			2	1.50	3.00		9.00		
	For Sump		4	2.00	2.00		16.00		
							113.92		
	Deductions - For door Doors		1x0.5	1.20		2.10	1.26		
	Door 1		1	0.90		2.10	1.89		
	Windows		4x0.5	1.20		0.90	2.16		
	Ventialtor		1x0.5	0.45		0.60	0.14		
							5.45		
							108.48	199.28	**21617.00**
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	**199.28**							
15	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 124 / I. 15.33 PWD SR - 2013-14**	Sqm							
			Qty Vide Item No. 13+14				**164.14**	19.08	**3132.00**
	Basic Rate	18.00							
	Area Weightage @ 6%	1.08							
	Total	**19.08**							
16	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 123 / Item No. 15.17 / PWD SR 2013-14 (Out side Wall)**	Sqm							
	Out Side		2	7.39		4.13	61.04		
			2	6.09		4.13	50.30		
							111.34		
	Deductions - For door Doors		1x0.5	1.20		2.10	1.26		
	Windows		4x0.5	1.20		0.90	2.16		
	Ventialtor		1x0.5	0.45		0.60	0.14		
							3.56		
							107.79	165.36	**17824.00**
	Basic Rate	156.00							
	Area Weightage @ 6%	9.36							
	Total	**165.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
17	KSRB 14.7-1 :Providing and laying **flooring** with M15 cement concrete, 40mm thick using broken granite metal of 20mm and down size laid to line and level in one layer and finish with a floating coat of neat cement , including cost of materials, labour, curing complete as per specifications. Specification No.KBS 14.3 **Page No.110 / Item No. 14.8 / PWD SR 2013-14**	Sqm							
	Hall		1	8.68	5.63		48.87		
							48.87	284.08	**13883.00**
	Basic Rate	268.00							
	Area Weightage @ 6%	16.08							
	Total	**284.08**							
18	KSRB 14.10-1 : Flooring with **25mm to 40mm thick polished Thandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. **(P.112 / I.14.15 PWD SR - 2013-14)**.	Sqm							
	Living Hall		1	7.39	5.63		41.61		
	Skerting		2	7.39	0.10		1.48		
			2	5.63	0.10		1.13		
							44.21	1017.60	**44988.00**
	Basic Rate	960.00							
	Area Weightage @ 6%	57.60							
	Total	**1017.60**							
19	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **(P.16 / I.4.29) PWD SR 2013-14**	Sqm							
	Roof		1	7.39	5.63		41.61		
							41.61	284.08	**11819.00**
	Basic Rate	268.00							
	Area Weightage @ 6%	16.08							
	Total	**284.08**							
20	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for **chajjas** corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17 / Item No. 4.37/ PWD SR 2013-14**	Sqm							
	W		4	1.50	0.60		3.60		
	D		1	1.50	0.60		0.90		
	V		1	0.60	0.45		0.27		
							4.77	242.74	**1158.00**
	Basic Rate	229.00							
	Area Weightage @ 6%	13.74							
	Total	**242.74**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
21	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of **columns** for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 **Page No. 16/ Item No. 4.28 / PWD SR 2013-14**	Sqm							
	Column		6	1.36		3.50	28.56		
			6	6.00		0.60	21.60		
	Plinth		2	29.06		0.15	8.72		
	Lintel		2	29.06		0.15	8.72		
	Tie Beam		2	29.06		0.20	11.62		
							79.22	220.48	**17466.00**
	Basic Rate	208.00							
	Area Weightage @ 6%	12.48							
	Total	**220.48**							
22	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4. **Page No. 45 / Item No. 7.26 / PWD SR ng spec**	Sqm							
			1	1.20		2.10	2.52		
			1	0.90		2.10	1.89		
							4.41	3710.00	**16361.00**
	Basic Rate	3500.00							
	Area Weightage @ 6%	210.00							
	Total	**3710.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
23	"Supplying and fixing pressed steel window frame of size 100x50mm manufacture from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900degree for window openings and shall be suitable to fix M.S grills as per design and drawings using 12mm dia roads at 100mm centre to centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S flats with 16mm size lugs, and 8nos, of 100mm size hinger, 4nos of butt stay pins and 4nos, tower bolts and shutters half paneled and half glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100 mm width and rails of 30mm thick and 100 mm width and using 4mm thick pin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat resistant guaranteed against shrinkage, warp age and such other defects for a period of 3 years, this shall be as per approved drawing specification and direction including cost of converyance,	Sqm							
	V		4	1.20		0.90	4.32		
			1	0.45		0.60	0.27		
							4.59	4028.00	**18489.00**
	Basic Rate	3800.00							
	Area Weightage @ 6%	228.00							
	Total	**4028.00**							
24	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **PWD SR 2013-14 Page No. 124 / Item No. 15.49**	Sqm							
			Qty Vide Item No.13+14				164.14		
							164.14	59.36	**9743.00**
	Basic Rate	56.00							
	Area Weightage @ 6%	3.36							
	Total	**59.36**							
25	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2013-14 (P.127 / I.15.53.2) with Primer**	Cum							
			Qty Vide Item No.16				107.79		
							107.79	78.44	**8455.00**
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							
	PART - 2 SANITARY								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
26	KSRB 11.11.1 : Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 82 / Item No. 12.23 PWD SR 2013-14**	Unit							
			1				**1.00**	3773.60	**3774.00**
	Basic Rate	3560.00							
	Area Weightage @ 6%	213.60							
	Total	**3773.60**							
27	KSRB :13-8.3 : Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure **32mm** outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,complete as per specifications Specification No KBS 13.2.15.1/ 13.9/**(Page No.100 / Item No. 13.68 PWD SR 2013-14**	Rmtr							
			1	30.00			**30.00**	152.39	**4572.00**
	Basic Rate	176.00							
	Area Weightage @ 6%	10.56							
	Total	**186.56**							
28	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, **No. 273 / Item No. 37.58 PWD SR 2013-14**	L							
			1	1000			**1000**	6.36	**6360.00**
	Basic Rate	6.00							
	Area Weightage @ 6%	0.36							
	Total	**6.36**							
29	KSRB 13-6.1.2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3, **Page No. 96 / Item No. 13.24 / PWD SR 2013-14**	Each							
			4				**4**	192.44	**770.00**
	Basic Rate	241.00							
	Area Weightage @ 6%	14.46							
	Total	**255.46**							
30	KSRB 14.14.2: Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, complete as per specifications. Specification No. KBS 14.15.2. **Page No. 115 / Item No. 14.33 / PWD SR 2013-14**	Sqm							
	Toilet		1	1.50	1.50		2.25		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							2.25	882.98	**1987.00**
	Basic Rate	833.00							
	Area Weightage @ 6%	49.98							
	Total	**882.98**							
31	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. **Page No. 116 / Item No. 14.41.1 / PWD SR 2013-14**	Sqm							
	Toilet		2	1.50	2.00		6.00		
			2	1.50	2.00		6.00		
							12.00		
	Deduction Doors		1	0.90	2.10		-1.89		
	V		1	0.45	0.60		-0.27		
							-2.16		
							9.84	926.44	**9116.00**
	Basic Rate	874.00							
	Area Weightage @ 6%	52.44							
	Total	**926.44**							
32	KSRB 8.6-7: Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, complete as per specifications. **Page No. 52/ Item No. 8.18 / PWD SR 2013-14**	m							
			10	3.50			**35.00**	447.32	**15656.00**
	Basic Rate	422.00							
	Area Weightage @ 6%	25.32							
	Total	**447.32**							
33	Square Tank Cover "ISI" marked 24'x24x pf 100kg in weight Page No. XXXI)	L/S	1				**1**	5009.00	**5009.00**
	PART - 3 ELECTRICAL AND FITTINGS								
34	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary KPWD SR 2010-11 (P-2,I-3)	Mtrs							
	32 mm dia 2.5mm thick		1	45.00			**45.00**	68.00	**3060.00**
35	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. KPWD SR 2010-11 (P-3, I-6)	Each							
	10"X7"X3" (300X228X76mm)		2				**2**	68.00	**136.00**
	8"X6"X3" (300X228X76mm)		2				**2**	52.00	**104.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
36	Supplying and fixing PVC/metal conduit accessories special type Junction Box (I. 5/P. 3) KPWD SR 2010-11	Each							
	32 mm Junction Box		12				**12**	29.00	**348.00**
	Deep 32 mm Junction Box		4				**4**	33.00	**132.00**
	Fan Box 18 /SWG		4				**4**	57.00	**228.00**
37	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet KPWD SR 2010-11 (P.3/I.8)	Each							
	Point Wiring using Class A Materials								
	a) Short point upto 3Mtr from tapping point to out let via switch		4				4.00	175.00	**700.00**
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		4				4.00	260.00	**1040.00**
	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		3				3.00	368.00	**1104.00**
38	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box KPWD SR 2010-11 (P-7, I-17)	Each							
	1 to 3 Modular		2				**2**	82.00	**164.00**
	8 Modular		2				**2**	175.00	**350.00**
39	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate KPWD SR 2010-11 (P.8/I.18)	Each							
	6Amps one way.		15				**15**	96.00	**1440.00**
	6Amps 3way Socket.		6				**6**	165.00	**990.00**
	Stepped Fan Regulator		4				**4**	520.00	**2080.00**
40	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube KPWD SR 2010-11 (P.16/I.2)								
	Group 'A'	Each	6				**6**	380.00	**2280.00**
41	Supplying of Incandescent lamps KPWD SR 2010-11 (P.44/I.22)								
	B.C. 100Watts		5				**5**	14.00	**70.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
[redacted]	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2010-11 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard	Each							
	56" Sweep (1400 mm)		4				4	1950.00	**7800.00**
43	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box KPWD SR 2010-11 (P.9/I.19)	Each							
	Group A		1				1	630.00	**630.00**
44	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps KPWD SR 2010-11 (P-13, I.2)	No							
			1				1	60.00	**60.00**
45	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)	Each							
			1				1	560.00	**560.00**
46	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc KPWD SR 2010-11 (P,32/I.2)								
	20"x20"x2.5"		1				1	285.00	**285.00**
47	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete KPWD SR 2010-11 (P.30/I.3)								
	32 Amps		1				1	100.00	**100.00**
48	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proprotion of salt and charcol 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3 of Is 732 using 12mm dia nuts, washers and checknuts etc the pipe shall have 16 through holes of 122 mm dia KPWD SR 2010-11 (P.68/I.1)	No							
			1				1	1950.00	**1950.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
[redacted]	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wies for 3 phase supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two breaks insulators, one at each end of the span wit suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes (single core or twin core as the case may be) and this reel insulator shall be fixed to the messanger wire using 2mm (No. 14SWG) GI wire suitably bent and twisted. Separate reel insulated shall be provided for each wire the messanger wire shall be bed-ended on the clamp provided to the departmental pole wide item No. 4 above (Page No. 56 Item No. 5a) KPWD SR 2010-11 Item No. 65 / Page No. 5 c)	Mtr							
	c) 6 Sqmm		2	5.00			**10.00**	45.00	**450.00**
50	BESCOM Deposit Charges	L/S							**15000.00**
51	Miscesalaneous Charges								**1251.00**
								Total	**1000000.00**
	(Rupees Ten Lakhs Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13 & KPWD 2010-11.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
24/7/2013

ADMINISTRATIVELY SANCTIONED FOR Rs. 10,00,000/-
Rupees ten lakhs only
Under P-1771
Registered as EE ( ) No 9 9
Subject to conditions contained in
enclosed memo EE ( ) No /9/
Dt Estimate A/Sanctioned
JC(Y) A/S No 185/13-14
dated 10-10-2013 Rs 10,000.00/-

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Technical Sanction for Rs. 10.00 lakhs
Ten lakhs only
P-1771.
EE.NO: 73/13-14
Nos. 73/13-14, 22.10.13.

22/10/2013